

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/004912

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 A61K38/09 A61K38/39 A61P15/08

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/13932 A (KING'S COLLEGE LONDON; FRASER, LYNN, REPSIS) 1 March 2001 (2001-03-01)	1,3-10, 14-20, 23,24, 26,27 1-20
Y	page 6, line 18 - line 28 page 12, line 16 - line 25 -----	
X	WO 95/32725 A (QUEEN MARY AND WESTFIELD COLLEGE; VINSON, GAVIN, PAUL) 7 December 1995 (1995-12-07) cited in the application claims 1,3 ----- -/-/-	1,3-10, 14-20, 23,24, 26,27

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

1 March 2005

Date of mailing of the international search report

15/03/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	VINSON G P ET AL: "ANGIOTENSIN II STIMULATES SPERM MOTILITY" REGULATORY PEPTIDES, ELSEVIER SCIENCE BV, NL, vol. 67, 1996, pages 131-135, XP000979550 ISSN: 0167-0115 page 133, column 2 - page 134, column 1 -----	1,3-10, 14-20, 23,24, 26,27
X	FRASER L R ET AL: "Calcitonin, angiotensin II and FPP significantly modulate mouse sperm function." MOLECULAR HUMAN REPRODUCTION. MAR 2001, vol. 7, no. 3, March 2001 (2001-03), pages 245-253, XP002319525 ISSN: 1360-9947 page 247, column 2 - page 248, column 1; table II -----	1,3-10, 14-20, 23,24, 26,27
X	WENNEMUTH G ET AL: "Influence of fibronectin on the motility of human spermatozoa" INTERNATIONAL JOURNAL OF ANDROLOGY, vol. 20, no. 1, 1997, pages 10-16, XP009044560 ISSN: 0105-6263 page 14, column 2 -----	11-13, 21,22,25
Y	US 5 389 519 A (BRONSON ET AL) 14 February 1995 (1995-02-14) example 10 -----	1-20 21,22,25
Y	FUSI F M ET AL: "Sperm surface fibronectin. Expression following capacitation." JOURNAL OF ANDROLOGY. 1992 JAN-FEB, vol. 13, no. 1, January 1992 (1992-01), pages 28-35, XP009044553 ISSN: 0196-3635 page 34 -----	1-20

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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  

Although claims 1-10 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the composition.
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of Invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/GB2004/004912

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
WO 0113932	A 01-03-2001	AU 6714800 A	CA 2381928 A1	EP 1212076 A2	19-03-2001 01-03-2001 12-06-2002
		WO 0113932 A2	JP 2003507429 T		01-03-2001 25-02-2003
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WO 9532725	A 07-12-1995	AU 2534595 A	EP 0760672 A1	WO 9532725 A1	21-12-1995 12-03-1997 07-12-1995
		JP 2001506225 T	US 6011015 A		15-05-2001 04-01-2000
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US 5389519	A 14-02-1995	US 5256539 A			26-10-1993
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